

In the Specification:

Please amend the first paragraph of the application as follows:

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"CROSS-REFERENCES TO RELATED APPLICATIONS

This application is related to the following design applications by the same inventor, each of which is incorporated herein by reference, and each of which was filed on the same day as this application: REMOTELY SWITCHABLE POWER SUPPLY FOR NETWORK DEVICE RACKS HAVING EIGHT NETWORK PORTS AND FOUR POWER OUTLETS, Serial No. 29/104,765, NETWORK REMOTELY SWITCHABLE POWER SUPPLY Serial No. 29/104,720; AND NETWORK PORT AND POWER OUTLET PLACED ON A SWITCHABLE POWER SUPPLY, Serial No. 29/104,721."

In the Claims:

1. (Amended) A controllable power supply comprising:
a housing having at least two distinguishable surfaces;
a first [control signal] network socket located on a first of said distinguishable surfaces;
wherein said first socket is able to receive a standard network cable connector and able to receive a control signal transmitted over a network cable also carrying network communication signals;
a power supply socket located on a second of said distinguishable surfaces;
control circuitry within said housing operatively connected with said first [control signal] socket, and said power supply socket wherein power to said power supply socket may be turned on or off in response to a signal received at said [control signal] first socket.

2. The device according to claim 1, further comprising:
a power line for connecting to an external power source.

3. (Amended) The device according to claim 1, further comprising:
a second network [control signal] socket wherein a network signal can pass between said first socket and said second socket and have adequate required clearance without experiencing interference by said control circuitry and components of said power supply. [for passing through signals received on said first control signal socket.]

4. The device according to claim 1, further comprising:

an indicator light operatively connected to said control circuitry for indicating whether power to said power supply socket is turned on or off.

5. The device according to claim 1, wherein said control circuitry comprises a control relay.

6. The device according to claim 1 wherein said first and second distinguishable surfaces are parallel to each other.

7. The device according to claim 1 wherein said housing constitutes a box comprising six surfaces.

8. The device according to claim 7 wherein said housing comprises a top surface, a bottom surface, a front surface, a rear surface, a left surface, and a right surface.

9. (Amended) The device according to claim 8, wherein said [control] first network socket is located on said front surface and said power supply socket is located on said rear surface.

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10. (Amended) The device according to claim 8, further comprising:
one or more additional pairs of [a plurality of paired control] network sockets located on said front surface, [and] each pair associated with one or more power supply sockets located on ~~said rear surface.~~

11. The device according to claim 9, wherein said top surface and said bottom surface are parallel planes between 1.5 and 2.0 inches apart.

12. (Amended) The device according to claim 9, wherein said housing is mountable in a computer device rack and occupies only one rack unit.

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13. (Amended) A method [for] of constructing a controllable power supply wherein sockets and control circuitry may be contained within a housing having a constrained height and wherein a network signal cable can be used to carry a control signal without generating unacceptable interference on said network cable comprising:

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placing a [control signal] network socket on one surface of said housing;
placing a power supply outlet on an opposite surface of said housing; and
placing control circuitry within said housing, said control circuitry operatively connected
with said [control signal]network socket and said power supply socket wherein power to said power
supply socket may be turned on or off in response to a signal received at said control signal socket.

Please add claims 14-21 as follows:

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14. A network device controllable power supply comprising:
a housing having at least two surfaces;
a first network socket located on a first surface, said first socket connectable to a standard
network cable;
a second network socket located on said first surface, said second socket connectable to a
standard network cable;
a power supply socket located on a second surface; and
control circuitry within said housing operatively connected with said first socket and said
power supply socket wherein power to said power supply socket may be turned on or off in response
to a control signal received over a standard network cable at said first socket while not interfering
with network communication signals flowing between said first socket and said second socket.

15. The device according to claim 14 further comprising:
wherein said first and second network sockets are one pair of a plurality of paired network
sockets on one surface, each pair associated with at least one controlled power supply socket on
another surface and each pair passing between the pair networking communication signals; and
further wherein for each pair, on one of said pair, a control signal can be received,
controlling said at least one power supply socket associated with said pair.

16. The device according to claim 14 wherein a network device is made controllable by:
attaching a network cable intended for said network device to a first network socket of a pair
of network sockets;

attaching said network device to a second network socket of a pair of network sockets; and
connecting a power input of said network device to a power socket associated with said pair.

17. The device according to claim 14 wherein said control circuitry comprises a control relay.

18. The device according to claim 14 wherein said first and second distinguishable surfaces are parallel to each other.

19. The device according to claim 14 wherein said housing constitutes a box comprising six surfaces.

20. The device according to claim 18 wherein said top surface and said bottom surface are parallel planes between 1.5 and 2.0 inches apart.

21. The device according to claim 14 wherein said housing is mountable in a computer device rack occupying only one rack unit.

REMARKS

Status

Claims 1-13 are pending in the application. Claims 14-21 have been added. The claims have been amended in response to the examiner's rejections.

The Invention

The present invention is directed to a power supply and related methods that are particularly suited to modern networking applications. A device according to the invention is designed for easy installation for controlling and power cycling network devices such as routers. In particular claimed embodiments, power sockets are placed on one surface (such as a rear) and network control sockets are placed on an opposite surface (such as a front). In particular embodiments, a design according to the invention complies with restrictions on placement of elements within the control circuit so that they are sufficiently far apart to provide clearance between the network data connections and the AC power connections to prevent electromagnetic interference.